



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

TRANSPORTATION ENGINEER SPECIALIST

Job Number: 20001428

Job Code: 70830V161016

Job Group: 7000 - ENGINEERING AND GEOLOGICAL

Job Established: 05/16/1995

Job Revised: 10/16/2016

Grade: 17 Salary (MIN - MID):

\$24,055-\$31,869 - Hourly

\$3,908.94-\$5,178.72 - 37.5 Hr. Monthly Salary

\$4,169.54-\$5,523.96 - 40 Hr. Monthly Salary

Special Entrance Rate:

\$31,869 - Hourly

\$5,178.72 - 37.5 Hr. Monthly Salary

\$5,523.96 - 40 Hr. Monthly Salary

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months. For additional information refer to: <http://www.lrc.ky.gov/kar/101/001/325.htm>.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

With the written approval of the State Highway Engineer, positions in this class are authorized and assigned to plan and perform complex professional engineering work in the planning, design, construction and maintenance of highways, structures or transportation facilities. Reviews and approves engineering documents as a Licensed Professional Engineer; and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

See Special Requirements.

EXPERIENCE:

Must have four years of engineering experience in addition to that required for licensure.

Substitute EDUCATION for EXPERIENCE:

A master's degree in engineering will substitute for one year of the required experience. Graduate work in engineering beyond a master's degree will substitute for the required experience on a year-for-year basis.

Substitute EXPERIENCE for EDUCATION:

NONE

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

Must possess a valid driver's license prior to appointment in this classification. Must be licensed as a professional engineer by the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors OR must be licensed in another state with the ability to obtain a Professional Engineering license from the Kentucky State Board of Licensure for Professional Engineers and

Land Surveyors within the employee's initial six month probationary period. Engineering decisions recommended by individuals without a Kentucky Professional Engineering License must be approved by a KY LPE under KRS 322 until licensure is obtained. For additional information refer to: <http://kyboels.ky.gov/> Must maintain any required licensure(s), certification(s), or other credentials for the length of employment in this classification. Employing agency is responsible for ensuring employee possesses and maintains required licensure(s), certification(s) or other credentials.

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

In a staff specialist capacity, coordinates the activities of an engineering program. Reviews and analyzes data received from others. Performs or coordinates the planning and/or design of transportation facilities in accordance with the department's policies, procedures and standards and in accordance with federal rules, regulations and standards. Performs or supervises the performance of major corridor investment studies as required by ISTEA or performs complex traffic forecasting activities for major infrastructure investments or represents the Secretary and/or Commissioner of Highways in complex engineering matters with other public agencies. Coordinates Transportation Planning Activities in MPO. Coordinates Transportation Management Systems mandated by the Intermodal Surface Transportation Efficiency Act of 1991. Statewide responsibilities for technical expertise concentrated in a specialty discipline of engineering design or construction. Interprets specifications and policies. Writes, reviews and recommends changes to policies, manuals, methods and specifications. Evaluates new technology, materials, equipment and procedures. Prepares cost estimates and project schedules for complex multi-million dollar projects. Travels throughout an assigned area or throughout the state for the purpose of conferring on technical and operational problems with contractors, materials suppliers, consultants, local officials, departmental engineers and county maintenance and special operations crew. Makes inspection and acceptance of construction and maintenance projects. Determines ways and means for proper expenditure of funds for various transportation programs. Interprets and writes professional and technical papers and reports. Reviews planning studies and makes recommendations for alternative solutions. Makes recommendations/specifications concerning the planning or design of transportation facilities and related work. Studies bridge location surveys and makes bridge construction or maintenance estimates. Performs geotechnical engineering analysis such as slope stability, bearing capacity for shallow foundations, consolidation, retaining structures, geosynthetic reinforced slopes, pile and drilled shafts. Prepares geotechnical engineering recommendations and reports for landslides, roadways and structures. Designs rock cut slopes and special geologic considerations such as sink holes, mines, dipping rock slopes, rock foundations for structures and prepares engineering geologic recommendations and reports. Prepares detailed cost estimates for transportation projects. Negotiates agreements for engineering services.

UNIQUE PHYSICAL REQUIREMENTS:

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Work is performed in the office and in the field. Will be exposed to risks inherent to construction sites.

ADDITIONAL REQUIREMENTS:

Applicants and employees in this job title may be required to submit to a drug screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

THE COMMONWEALTH OF KENTUCKY DOES NOT DISCRIMINATE ON THE BASIS OF RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, SEXUAL ORIENTATION OR GENDER IDENTITY, ANCESTRY, AGE, DISABILITY, POLITICAL AFFILIATION, GENETIC INFORMATION OR VETERAN STATUS IN ACCORDANCE WITH STATE AND FEDERAL LAWS.